

Table 1. Summary Renewable Electric Power Industry Statistics (2006)

South Dakota

Primary Renewable Energy Capacity Source	Hydro Conventional
Primary Renewable Energy Generation Source	Hydro Conventional
<u>Capacity (megawatts)</u>	<u>Value</u> <u>Percent of State Total</u>
Total Net Summer Electricity Capacity	2,933 100.0
Total Net Summer Renewable Capacity	1,559 53.2
Geothermal	- -
Hydro Conventional	1,516 51.7
Solar	- -
Wind	43 1.5
Wood/Wood Waste	- -
MSW/Landfill Gas	- -
Other Biomass	- -
<u>Generation (thousand megawatthours)</u>	
Total Electricity Net Generation	7,132 100.0
Total Renewable Net Generation	3,546 49.7
Geothermal	- -
Hydro Conventional	3,397 47.6
Solar	- -
Wind	149 2.1
Wood/Wood Waste	- -
MSW Biogenic/Landfill Gas	- -
Other Biomass	- -

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: Capacity: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."
Generation: Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."

**Table 2. State Total Electric Power Industry Net Summer Capacity, by Energy Source, 2002 - 2006
(Megawatts)**

South Dakota

Energy Source	2002	2003	2004	2005	2006
Fossil	1,174	1,098	1,089	1,259	1,374
Coal	477	476	477	482	492
Petroleum	238	237	228	224	232
Natural Gas	459	385	385	553	649
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	1,681	1,592	1,569	1,543	1,559
Pumped Storage	-	-	-	-	-
Other	-	-	-	-	-
Total	2,854	2,690	2,659	2,802	2,933

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires and miscellaneous technologies. For cofired plants, all of the capacity is assigned to the primary energy source. Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

**Table 3. State Renewable Electric Power Industry Net Summer Capacity, by Energy Source, 2002 - 2006
(Megawatts)**

South Dakota

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	1,678	1,549	1,526	1,500	1,516
Solar	-	-	-	-	-
Wind	3	43	43	43	43
Wood/Wood Waste	-	-	-	-	-
MSW/Landfill Gas	-	-	-	-	-
Other Biomass	-	-	-	-	-
Total	1,681	1,592	1,569	1,543	1,559

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. Totals may not equal sum of components due to independent rounding.

Source: Energy Information Administration, Form EIA-860, "Annual Electric Generator Report."

**Table 4. State Total Electric Power Industry Net Generation, by Energy Source, 2002 - 2006
(Thousand Megawatthours)**

South Dakota

Energy Source	2002	2003	2004	2005	2006
Fossil	3,362	3,623	3,755	3,288	3,586
Coal	3,272	3,431	3,620	2,996	3,316
Petroleum	5	16	23	21	5
Natural Gas	86	176	112	271	266
Other Gases	-	-	-	-	-
Nuclear	-	-	-	-	-
Renewables	4,360	4,321	3,755	3,233	3,546
Pumped Storage	-	-	-	-	-
Other	-	-	-	s	s
Total	7,722	7,944	7,510	6,521	7,132

s = Value is less than 0.5 of the table metric, but value is included in any associated total.

- = No data reported.

Notes: Petroleum includes petroleum liquids, petroleum coke, and waste oil. Natural Gas includes single-fired and dual-fired plants operating on natural gas. Other Gases includes blast furnace gas, propane gas, and other manufactured and waste gases derived from fossil fuels. Renewables include conventional hydro and other renewable technologies. Other includes batteries, chemicals, hydrogen, pitch, purchased steam, sulfur, tires, non-biogenic MSW and miscellaneous technologies. For cofired plants, generation is prorated on the basis of energy source shares. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."

**Table 5. State Renewable Electric Power Industry Net Generation, by Energy Source, 2002 - 2006
(Thousand Megawatthours)**

South Dakota

Energy Source	2002	2003	2004	2005	2006
Geothermal	-	-	-	-	-
Hydro Conventional	4,354	4,276	3,598	3,075	3,397
Solar	-	-	-	-	-
Wind	6	44	158	158	149
Wood/Wood Waste	-	-	-	-	-
MSW Biogenic/Landfill Gas	-	-	-	-	-
Other Biomass	-	-	-	-	-
Total	4,360	4,321	3,755	3,233	3,546

- = No data reported.

Notes: Hydro Conventional does not include pumped storage. Other Biomass includes agricultural byproducts/crops, sludge waste and other biomass solids, liquids and gases. Solar includes solar thermal and photovoltaic. MSW = Municipal Solid Waste. MSW Biogenic includes paper and paper board, wood, food, leather, textiles and yard trimmings. Totals may not equal sum of components due to independent rounding.

Sources: Energy Information Administration, Form EIA-906, "Power Plant Report" and EIA-920, "Combined Heat and Power Plant Report."